

Bill Of Materials (BOM) for Item 45, BOM Rev 1.00.00

AMP7 Kit

Pkg	Type	Component	Q
0	-	AMP7 PCB	1
0	-	Mounting strip AMP7	1
1	hmt	Cap 50V Elect 3.3uF Low ESR D5	2
1	hmt	Cap 50V Cer 0.1uF X7R 10% RM2.5	3
1	hmt	Res Ax. Met. Film 0.4W 3.4mm 1Kohm	10
1	hmt	Res Ax. Met. Film 0.4W 3.4mm 1Mohm	1
1	hmt	Res Ax. Met. Film 1W 6.5mm 15Kohm	4
1	hmt	Res Ax. Met. Film 0.25W 3.4mm 1.1Kohm	4
2	hmt	Res Ax. Met. Film 0.4W 3.4mm 2.2Kohm	4
2	hmt	Res Ax. Met. Film 0.4W 3.4mm 10Kohm	4
2	hmt	Res Ax. Met. Film 0.4W 3.4mm 22Kohm	4
2	hmt	Res Ax. Met. Film 0.4W 3.4mm 33Kohm	2
2	hmt	Res Ax. Met. Film 1W 6.5mm 10ohm	1
2	hmt	Res Ax. Met. Film 0.125W 3.4mm 8.25K	1
3	hmt	Trim pot Cerm 50Kohm 25TRN Top	2
3	hmt	Cap 50V Cer 33pF NPO/COG 5% RM2.5	2
3	hmt	Choke bead core 3.5X5mm Axial	1
3	hmt	Cap 10V Elect 1000uF Low ESR	1
3	hmt	Cap 50V Cer 330pF NPO/COG 5% RM2.5	1
3	hmt	Res Ax. Met. Film 0.4W 3.4mm 47Kohm	2
3	hmt	Cap 25V Elect 47uF U-low ESR D5	3
4	hmt	Cap 35V Elect 330uF U-low ESR D10	1
4	hmt	Cap 50V Cer 220pF NPO/COG 5% RM2.5	3
4	hmt	Cap 50V Cer 390pF NPO/COG 5% RM2.5	1
4	hmt	Res Ax. Met. Film 0.4W 3.4mm 220R	2
4	hmt	Res Ax. Met. Film 0.4W 3.4mm 180Kohm	1
4	hmt	Res Ax. Met. Film 0.4W 3.4mm 390Kohm	3
4	hmt	Res Ax. Met. Film 0.125W 3.4mm 360R	1
5	-	Spacer nylon nat 9 mm round #4	4
5	-	Screw machine Phil 4-40x1/2 SS	8
5	-	Nut HEX 4-40 SS	8
5	-	Flat Washer SS #4	4
5	hmt	Silica Insulator TO-247	4
5	-	Spacer 20mm black nylon	2
6	-	Litz wire 1.5m x 2 (27/30)	1
6	-	Toroid T130-2	2
6	hmt	Conn header 16-pole RM5.00 mm	2
7	hmt	Cap 100V Cer 0.1uF X7R 10% RM2.5	7
7	hmt	Cap 100V Elect 820uF U-low ESR RM7.5 D18	4
7	hmt	Cap 250V Film 0.22uF Polyprop RM15	4
7	hmt	Cap 160V Elect 33uF Low ESR	2
7	hmt	Cap 100V Film 0.22uF Polyester RM7.5	4
8	hmt	Res Ax. Met. Film 0.4W 3.4mm 120R	1
8	hmt	Res Ax. Met. Film 1W 6.5mm 3.9ohm	4
8	hmt	Res Ax. Met. Film 1W 6.5mm 10Kohm	4

8	hmt	Cap 50V Cer 0.1uF X7R 10% RM5	4
8	hmt	Res Rad 7W 20R Wire W	2
8	hmt	Bushing insulator TO-220	2
8	-	Nut M3	2
8	-	Screw machine M3x30mm	2
8	hmt	Cap 250V Film 0.22uF Polyester Axial	2
8	hmt	Cap 63V Film 0.68uF Polyester 6x7mm RM5	3
9	hmt	Tripath TA3020	1
9	hmt	Voltage Reg Pos Adj 100mA TO-92	1
9	hmt	Diode U-fast 200V 1A Axial	4
9	hmt	MOSFET N-ch 150V 78A TO-247	4
9	smt	Diode U-fast 4A 200V SMB	4
9	hmt	Diode Schottky 1A 40V	4
9	hmt	LED Yellow Diffused	1
9	hmt	Res Current Sense 0.010 ohm 3W OARSXP	4

(c) www.41hz.com

Notes:
 □ = ESD sensitive
 hmt=Hole Mount
 smt=Surface Mount